UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/716,868	11/20/2003	Hyun-kwon Chung	1293.1970	5648

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EXAMINER
PATEL, MANGLESH M

ART UNIT	PAPER NUMBER
2178	

DATE MAILED: 11/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	10/716,868	CHUNG ET AL.
	Examiner	Art Unit	
	Manglesh M. Patel	2178	.

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on <u>20 November 2003</u>.

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) <u>1-20</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) <u>1-20</u> is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on <u>20 November 2003</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some *   c)☐ None of:

      1.☒ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>4/30/2004</u>.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

DETAILED ACTION

1.   This action is responsive to communications: IDS filed on April 30, 2004 to the

application filed on November 20, 2003.

2.   Claims 1-20 are pending. Claims 1, 9, 15 and 19 are independent claims.

3.   The examiner has accepted the IDS filed on April 30, 2004.

Drawings

4.   The examiner has accepted the Drawings filed on April 30, 2004.

Priority

5.   Acknowledgment is made of applicant's claim for foreign priority under 35

U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 2002-79185, filed

on December 12, 2002 (Republic Of Korea).

Claim Objections

6.   Claim 20 is objected to because of the following informalities: The claim depends on

claim 22 and is an improper dependant claim since claim 22 does not exist. It has been

interpreted to refer to Independent claim 19. Appropriate correction is required.

Claim Rejections - 35 USC § 102

7.   The following is a quotation óf the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in a patent granted on an application for patent by another filed in the United·
> States before the invention thereof by the applicant for patent, or on an international application by another who
> has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention
> thereof by the applicant for patent.

8.   Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Fortin (U.S. Pub

2002/0023110, filed Jan 23, 1998).

Regarding Independent claim 1, Fortin discloses a method of displaying a markup

document linked to an applet, the method comprising:

- *Delaying display of image output information for the markup document*

  (paragraphs 6-9, wherein based on user control the display of the image is delayed

  from the markup document);

- *And synchronously displaying the delayed image output information for the*

  markup document and an applet output when rendering of the applet is completed

  (See figure 1 & paragraphs 55-58, wherein the delayed image from the markup

  document is associated with the applet output).

Regarding Dependent claim 2, Fortin discloses *wherein the delaying of the display of*

the image output information for the markup document comprises buffering the image

output information for the markup document (paragraph 55, wherein the computer

generates display data from the markup document, therefore buffering the image output

for display).

Regarding Dependent claim 3, Fortin discloses *wherein the synchronously displaying*

the delayed image output information for the markup document and the applet output for

an initial image of the applet comprises simultaneously providing the delayed image

output information for the markup document and the applet output for the initial image of

the applet to a display device based on an output control signal (paragraph 64, wherein

the applet and markup document are displayed together based on the delayed image

information from the markup document).

Regarding Dependent claim 4, Fortin discloses *wherein the applet is formed of program*

codes having an output method different from that of the markup document (paragraphs

64 & 65, wherein the applet contains different code in JAVA for producing different

output from the markup HTML document).

Regarding Dependent claim 5, Fortin discloses *wherein the output control signal is*

provided from an applet executing engine, which interprets the applet, or a presentation

engine, which interprets the markup document (See figure 1 & paragraph 64, wherein the

presentation engine includes the server).

Regarding Dependent claim 6, Fortin discloses *wherein the delaying of the display of the image output information for the markup document comprises buffering text output of the markup document and buffering at least one of an image output and an audio output of the markup document* (paragraphs 80 & 81, wherein the delay of the image includes buffering of text output and markup document).

Regarding Dependent claim 7, Fortin discloses *wherein the buffering comprises buffering text output of the markup document and buffering at least one of an image output and an audio output of the markup document* (paragraphs 53-57, wherein buffering includes image output).

Regarding Dependent claim 8, Fortin discloses *wherein the delaying of the display of the image output information for the markup document comprises buffering text output of the markup document and buffering at least one of an image output and an audio output of the markup document* (paragraphs 53-57, wherein the delay of the image includes the buffering or image output from the markup document).

Regarding Independent claim 9, Fortin discloses an information storage medium controlling a computer, comprising:

- *A markup document* (See figure 1 & paragraph 75, wherein the computer includes a markup document used for rendering image with a browser);

- *And an applet linked to the markup document, wherein the applet or the markup document includes markup image output delay information used to delay display of the markup document* (See figure 1, wherein the applet is related to the markup document that includes delay information).

Regarding Dependent claim 10, Fortin discloses *wherein the applet executes in any one state of an initial state, a start state, a stop state, and a destroy state* (paragraph 64, wherein the applet includes an initial state).

Regarding Dependent claim 11, Fortin discloses *wherein the applet includes a delay function as the markup image output delay information for synchronizing display of image output information of the markup document with display of output information of the applet* (paragraphs 61-63, wherein delay information based on user input is applied to the applet).

Regarding Dependent claim 12, Fortin discloses *wherein the applet includes a delay function during the start state as the markup image output delay information for synchronizing display of image output information of the markup document with display of output information of the applet* (paragraphs 71-74, wherein the applet includes delay information during the initial state based on user input).

Regarding Dependent claim 13, Fortin discloses wherein the applet comprises:

- *A delay function as the markup image output delay information, which delays*

  display of image output information for the markup document (paragraphs 77-79,

  wherein the delay information is associated with the markup document);

- *And a delay cancel function canceling the delay of the display of the image output*

  information for the markup document, when rendering of an initial image of the

  applet is completed by the initial and start states of the applet (paragraphs 81-82,

  wherein the delay is canceled for the image output from the markup document

  based on user input).

Regarding Dependent claim 14, Fortin discloses *wherein the markup document*

comprises tag or attribute indication information as the markup image output delay

information to control synchronous display of output of the markup document with

output of the applet (paragraphs 53-56, wherein the markup document includes tags

and attributes for specifying the delay information associated with the applet).

Regarding Independent claim 15, Fortin discloses a computer system with a display

device, comprising:

- *A presentation engine, which interprets a markup document to provide image*

  output information for the markup document; and an applet executing engine,

  which interprets an applet linked to the markup document to provide an applet

  output, wherein the presentation engine delays display of the image output

  information for the markup document, and synchronizes and outputs the

delayed image output information of the markup document and the applet

output to the display device, when an output control signal indicating

completion of rendering of the applet output is input from the applet executing

engine (See figure 1 & paragraphs 55-58, wherein the presentation engine

includes the server used to direct the applet with the browser thereby linking it

with the markup document prior to display).

Regarding Dependent claim 16, Fortin discloses *wherein the presentation*

engine comprises a buffer buffering the image output information of the markup

document to delay the display of the image output information for the markup

document, in response to a markup image output delay signal input from the

applet executing engine (See figure 1, paragraphs 55-58, wherein buffering for

displaying the image for the applet and markup document include a signal input

from the applet engine, shown as reference numeral 34).

Regarding Dependent claim 17, Fortin discloses *wherein the presentation*

engine comprises an audio buffer, which buffers audio output, and a video buffer,

which buffers video output, of the image output information of the markup

document and/or of the applet output to delay the display of the image output

information for the markup document, in response to the output control signal

input from the applet executing engine (See figure 1 & paragraphs 57 & 81-82,

wherein the presentation engine represented by the server includes a buffering of

audio/video).

Regarding Dependent claim 18, Fortin discloses *wherein the markup image output delay signal is set according to an amount of rendering time of the markup document and/or the applet* (paragraphs 74-75 & 82, wherein the delay is set by the user and includes the rendering time of an applet or markup document).

Regarding Independent claim 19, Fortin discloses *a computer with a display device, comprising: a programmed computer processor controlling synchronous output of a markup document image including a linked applet image to the display device, according to display control information in the markup document and/or in the applet* (See figure 1 & paragraphs 68-70, wherein a display is used to render the applet and markup document image which includes synchronous output for display).

Regarding Dependent claim 20, Fortin discloses *wherein the programmed computer processor controls an order of rendering of the markup document image and the linked applet image according to the display control information to synchronously display the markup document image and the linked applet image* (paragraphs 69-74, wherein the controls for the displaying of the markup document via browser and applet is based on the display control used for synchronously displaying image for applet and markup document).

References to specific columns, figures or lines should not be limiting in any way. The entire reference provides disclosure related to the claimed invention.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Manglesh M. Patel whose telephone number is (571) 272-5937. The examiner can normally be reached on M,F 8:30-6:00 T,TH 8:30-3:00 Wed 8:30-7:00.
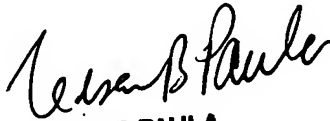
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen S. Hong can be reached on (571)272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Manglesh M. Patel

Patent Examiner

November 22, 2005

CESAR PAULA
PRIMARY EXAMINER